

Abstract

VANE PUMP WITH MOVABLE SLEEVE

The core of the invention is putting a movable sleeve into a vane pump, which enables controlled change of the fluid flow.

Technical domain: positive displacement machines for liquids with rotating cylinders F 04 B 1/10 and positive displacement machines for liquids F 04 C 2/22.

Vane pump comprises of casing (1), rotor with vanes and shaft (2), movable sleeve (3), two lids (4), two end stops (5) and two supports (6 and 7). (Fig. 1)

Axial and angular (arcuate) movement of the sleeve (3) causes the change of the fluid flow.

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